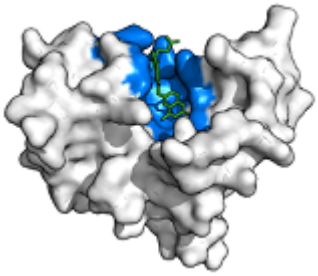
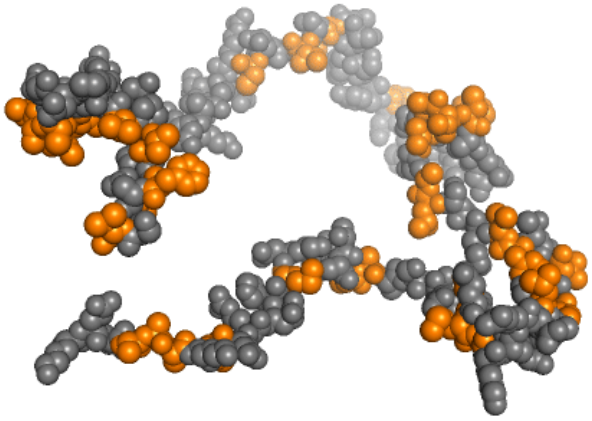
Chemical Biology research uses the tools of chemistry and synthesis to understand biology and disease pathways at the molecular level. Advanced Biological Chemistry interests include diverse topics such as nucleic acids, DNA repair, bioconjugate chemistry, peptides and peptidomimetics, glycoscience, biomolecular structure and function, imaging, and biological catalysis. Biophysical Chemistry represents the union of Chemistry, Physics, and Biology using a variety of experimental and theoretical approaches to understand the structure and function of biological systems.

- Supplemental Modules (Biological Chemistry)



- Book: Biochemistry Online (Jakubowski)



- Concepts in Biophysical Chemistry (Tokmakoff)

Chemistry of Cooking (Rodriguez-Velazquez)

- Book: Medicines by Design (Davis)

Thumbnail: DNA double helix. (public domain; NIH - Genome Research Institute).